

DIVISION 7 – THERMAL AND MOISTURE PROTECTION

SECTION 07200
BUILDING INSULATION

A. GENERAL

RELATED PRODUCTS SPECIFIED ELSEWHERE

Gypsum Drywall

Section 09250

QUALITY ASSURANCE

All insulating materials and methods of installation shall comply with all applicable building and fire codes.

PRODUCT DELIVERY, STORAGE AND HANDLING

Protect insulation from physical damage and from becoming wet, soiled, or covered with ice or snow. Comply with the manufacturer's recommendations for handling, storage and protection during installation.

B. PRODUCTS

BATT INSULATION

Sound batts for vertical installation between studs shall be unfaced R-11 fiberglass batt insulation. At 6" stud walls, use unfaced R-19 batts. Batt insulations shall be the manufacturer's standard lengths and widths as required to coordinate with spaces to be insulated and shall be one of the following types and manufactures (or approved equal):

FS-25 Building Insulation

Owens-Corning Fiberglass

FSK-25 Batt Insulation

Manville Corporation

Batts shall be widths as required to tightly fit between studs, except that at all locations where gypsum drywall is not shown on both sides of the partition, batts shall be supplied with foil on one face.

All batt insulation shall have maximum flame spread rating of 5 and smoke-developed rating of 15 per ASTM E 84.

Where batt insulation is included in rated wall, ceiling or floor construction, provide mineral wool batts which have been tested and rated as required for the indicated assembly.

C. EXECUTION

PREPARATION

Clean substrate of substances harmful to insulations or vapor barriers, including removal of projections which might puncture vapor barrier.

GENERAL

Comply with manufacturer's written instructions for particular conditions of installation in each case. If printed instructions are not available or do not apply to project conditions, consult manufacturer's technical representative for specific recommendations before proceeding with work.

Extend insulation full thickness as shown over entire area to be insulated. Cut and fit tightly around obstructions, and fill and close voids with insulation.

Apply insulation units to substrate by method indicated, complying with manufacturer's written recommendations. If no specific method is indicated, bond units to substrate with adhesive or use mechanical anchorage to provide permanent placement and support of units.

1 Do not obstruct ventilation spaces except for firestopping.

2 3 INSTALLATION OF BATT INSULATION

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5 Install batt insulation at the locations shown on the Drawings with vapor barriers on room side. Tightly fit into place
6 and push down in vertical spaces to assure avoidance of future settling. Securely staple in place as
7 recommended by the insulation manufacturer. Maintain all required minimum clearance between insulation and
8 fans, lights or other heat-producing equipment items. At locations where studs are less than full stud depth, strip
9 part of the insulation off of the non-vapor barrier side to reduce the total thickness to 1/2" greater than the available
10 space.

11 12 PROTECTION

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14 Protect installed insulation and vapor barriers from possible physical abuses, where possible by non-delayed
15 installation of concealing work or, where that is not possible, by temporary covering or enclosure. Installer shall
16 advise Contractor of exposure hazards, including possible sources of deterioration and fire hazards.
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